

OBJECT POSITION DETECTOR

Patent number: EP0777888
Publication date: 1997-06-11
Inventor: ALLEN TIMOTHY P (US); GILLESPIE DAVID (US); MILLER ROBERT J (US); STEINBACH GUNTER (US)
Applicant: SYNAPTICS INC (US)
Classification:
- **International:** G06K11/16
- **European:**
Application number: EP19950932385 19950901
Priority number(s): WO1995US11180 19950901; US19940300387 19940902

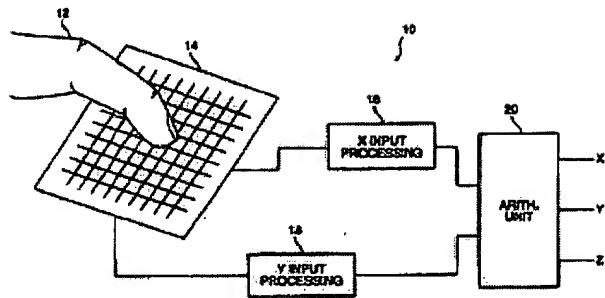
Also published as:

WO9607981 (A1)
EP0777888 (B1)

Abstract not available for EP0777888

Abstract of correspondent: **WO9607981**

A proximity sensor system includes a sensor matrix array having a characteristic capacitance on horizontal and vertical conductors connected to sensor pads. The capacitance changes as a function of the proximity of an object or objects to the sensor matrix. The change in capacitance of each node in both the X and Y directions of the matrix due to the approach of an object is converted to a set of voltages in the X and Y directions. These voltages are processed by digital circuitry to develop electrical signals representative of the centroid of the profile of the object, i.e., its position in the X and Y dimensions. Noise reduction and background level setting techniques inherently available in the architecture are employed.



Data supplied from the **esp@cenet** database - Worldwide